

REMARKS

Claims 4-6, 8-11 and 13-19 are pending in this application. Claims 7 and 44 were previously canceled. Claims 1-3, 12, 20-43, and 45-51 are canceled and claims 8, 9, 13 and 14 have been amended by way of the present amendment. Reconsideration is respectfully requested.

In the outstanding Office Action, claims 8-11, 13-16, 20-29, 31-32, 34-35, 40-43, 45-46 and 48-49 were rejected under 35 USC § 112, second paragraph, as being indefinite; claims 20-43 and 45-51 were rejected under 35 USC § 101 for being directed to non-statutory subject matter; claim 1 was rejected under 35 USC § 102(e) as being anticipated by U.S. Patent No. 6,662,200 (Acharya); claims 12 and 30 were rejected under 35 USC § 102(b) as being anticipated by US 5,757,683 (Deczky); claim 2 was rejected under 35 USC § 102(a) as being unpatentable over Acharya; claim 3 was rejected under 35 USC § 103(a) as being unpatentable over Acharya as applied to claim 2 and further in view of Deczky; claims 4-6 and 17-19 were indicated as allowed; and claims 8-11 and 13-16 were indicated as allowable if rewritten or amended to overcome the rejection under 35 U.S.C. 112, 2nd paragraph.

Allowable Subject Matter

First, Applicants would like to thank Examiner Mai for the early indication of allowed subject matter in claims 4-6 and 17-19 and allowable subject matter in claims 8-11 and 13-16. To that end, claims 8, 9, 13 and 14 have been amended, as discussed below, to overcome the rejection under 35 U.S.C. 112, 2nd paragraph. Therefore, it is respectfully submitted that claims 4-6, 8-11 and 13-19 are in condition for allowance.

35 USC § 112 Rejections

Claims 8-11, 13-16, 20-29, 31-32, 34-35, 40-43, 45-46 and 48-49 were rejected under 35 USC § 112, second paragraph. Reconsideration is respectfully requested.

Claims 20-43, and 45-51 were canceled by way of the present amendment. Thus, it is respectfully submitted that the outstanding rejection is moot regarding these claims and should be withdrawn.

Claims 8, 9, 13 and 14 have been amended to clarify the invention. In particular, the outstanding Office Action indicates the phrase “while causing absolute value of the sequence to remain the same,” as NOT understood and suggests the deletion of this phrase. In accordance with the suggestion, the above-discussed phrase has been deleted from claims 8, 9, 13 and 14. Therefore, it is respectfully submitted that claims 8, 9, 13 and 14, and claims dependent thereon (i.e., claims 10, 11, 15 and 16), are now definite and in condition for allowance; and that the outstanding rejection regarding these claims be withdrawn.

35 USC § 101 Rejections

Claims 20-43 and 45-51 were rejected under 35 USC § 101 for being directed to non-statutory subject matter. Claims 20-43 and 45-51 have been canceled by way of the present amendment. Thus, the outstanding rejection is moot and should be withdrawn.

35 USC § 102 Rejections

Claim 1 was rejected under 35 USC § 102(e) as being anticipated by Acharya; Claims 12 and 30 were rejected under 35 USC § 102(b) as being anticipated by Deczky; and Claim 2 was rejected under 35 USC § 102(a) as being unpatentable over Acharya. Claims 1, 3, 12 and 30 were canceled by way of the present amendment. Therefore, it is respectfully submitted that the outstanding 35 USC § 102 rejections are moot and should be withdrawn.

35 USC § 103 Rejections

Claim 3 was rejected under 35 USC § 103(a) as being unpatentable over Acharya as applied to claim 2 and further in view of Deczky. Claims 2 and 3 were canceled by way of the

present amendment. Therefore, it is respectfully submitted that the outstanding 35 USC § 103 rejection is moot and should be withdrawn.

Conclusion

In view of the above, consideration and allowance are respectfully solicited.

In the event the Examiner believes an interview might serve in any way to advance the prosecution of this application, the undersigned is available at the telephone number noted below.

Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 22-0185, under Order No. 22040-00029-US from which the undersigned is authorized to draw.

Dated: July 20, 2007

Respectfully submitted,

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